BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 14, Bagalagunte

Modified Estimate

NAME OF WORK :	**IMPROVEMENTS TO DRAIN AT DIFENCE COLONY, BAGALAGUNTE WARD NO. 14**
Estimated Cost	**50.19 Lakhs**

Sl.No.	Description of work	Measurments				Qty	Unit	Rate	Amount
		No.s	L	B	D				
1 EIRL ITEM	Earthwork excavation by manual means in Hard Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 9 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete.(PWD SR 2016-17, Page No.142, Item No. 19.2)								
	Rate=Basic rate + 6% of B.R(area weightage) =113.00+6.78=119.78/cum & { Lead charges (2.5X1.28X9)+68= 96.80/Cum} =216.58+5.50%=228.49/Cum								
	For CC road	1	1	459.00	5.00	0.43	986.85		
					Total qty.		**986.85**	**Cum**	**228.49**	**225485.36**
2 EIRL ITEM	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.Page No 149/ Item No. 19.64 PWD SR 2016-17								
	Rate=Basic rate + 6% of B.R(area weightage) =5.00+0.30=5.30+5.50%(T.P)=								
		1	1	459.00	5.00		2295.00		
					Total qty.		**2295.00**	**sqm**	**5.59**	**12829.05**
3 EIRL ITEM	Providing, laying, spreading and compacting stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. Complete as per specifications. MORTH Specification No.406 [P.No.158- It.No20.18]								
	Rate=Basic rate + 6% of B.R(area weightage) =1668.00+100.08=1768.08+5.50%(T.P)=1865.32/Cum								
		1	1	459.00	5.00	0.15	344.25		
					Total qty.		**344.25**	**cum**	**1865.32**	**642136.41**
4	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications.								

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		1	1	459.00	5.00	0.15	344.25		
						Total qty.	344.25		
	Rate as per Schedule B					Upto 125%	93.75	cum	5442.77	510259.69
	Rate=Basic rate + 6% of B.R(area weightage) =90.00+5.40=95.40+5.50%(T.P)=1					Above 125%	250.50	cum	5442.77	1363413.89
5	Cement Concrete Pavement:- Construction un-reinforced plain cement concrete pavement, thickness as per design over a prepared sub base with OPC cement or any other type as per clause 1051.2.2. with 25mm and down size graded granite metal coarse aggregates and fine aggregates, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrance, sealant primer, joint sealant, admixtures as approved curing compound, finishing to lines and grades as per drawing complete as per specifications. M20 (at 300 kg per cum coarse aggregate @ 0.64 cum and fine aggregate @ 0.43 cum)									
		1	1	459.00	5.00	0.15	344.25		
						Total qty.	344.25	cum		
	Rate as per Schedule B					Upto 125%	93.75	cum	5811.81	544857.19
	Rate=Basic rate + 6% of B.R(area weightage) =90.00+5.40=95.40+5.50%(T.P)=1					Above 125%	250.50	cum	5811.81	1455858.41
6	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery,screed vibratory,power Floater,blade and disc etc., with all lead and lift PWD SR 2016-17[P.No.177 -I.No.22.7]									
		1	1	459.00	5.00		2295.00			
						Total qty.	2295.00			
	Rate as per Schedule B					Upto 125%	625.00	sqm	100.65	62906.25
	Rate=Basic rate + 6% of B.R(area weightage) =90.00+5.40=95.40+5.50%(T.P)=1 00.65/Sqm					Above 125%	1670.00	sqm	100.65	168085.50
7	Providing groove cutting to concrete pavement for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant, etc., including cleaning of grove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all amterials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(P.No.178, I.No.22.8.1 of PW, P&IWTD SR 2016-17)									

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	1	46	5.00		230.00			
				Total qty.	230.00			
Rate as per Schedule B				Upto 125%	230.00	Rmt	128.60	29578.00
							Total	5015409.75

(Rupees Fifty Lakhs Ninteen Thousand Two Hundread Sixty Seven Only)

CERTIFICATE

1 *Certified that The work spot has been inspected by me and the work is necessary & site condition*
2 *Certified that the work is not split up*
3 *Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2016-17*
4 *Certified that Adequate & necessary provisions have made in the estimate.*
5 *Certified that the above area comes under BBMP limit*
6 *Certified that this Work is not included in any other work taken up*

Asst Engineer
Ward-14

Assistant Executive Engineer
Dasarahalli Sub Division
B.B.M.P

Excecutive Engineer
Dasarahalli Division
B.B.M.P

PE\D2\PE\15\176\17-18 ದಿನಾಂಕ : 05/04/2018
₹ 5015409.75 only/-

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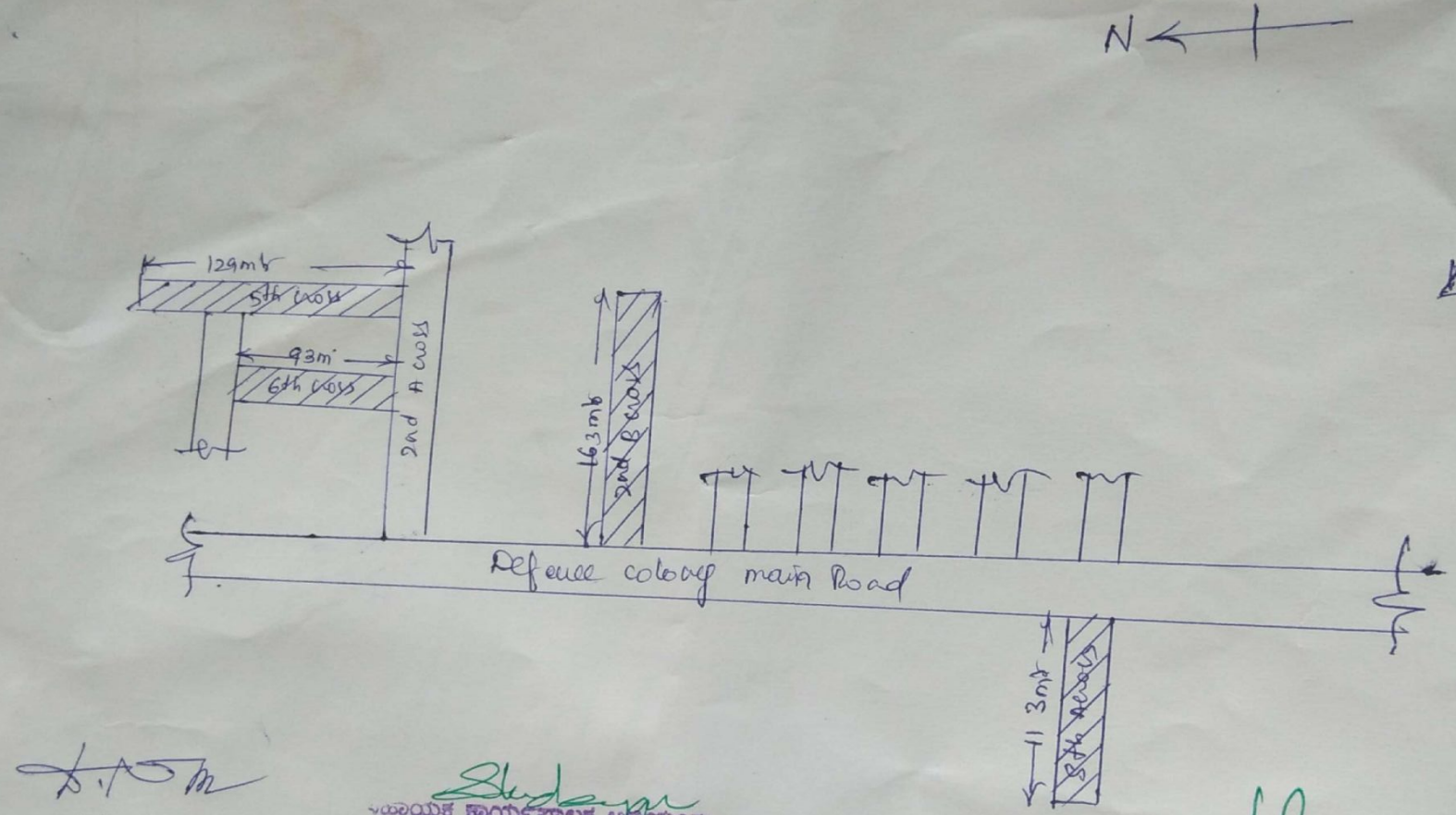
Improvements to drain at Defence colony at Nagalagunte in ward No. 14.



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ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Division, Bangalore-560057

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